

WHAT IS CLAIMED IS:

1. A shuttered connector comprising:
a fitting part that receives a mating connector;
an insulator;
a shutter rotatably supported by the insulator between a closed position at which the shutter covers the fitting part and an opened position at which the mating connector is capable of being fitted with the shuttered connector; and
elastic members that continuously urge said shutter in the closing direction, said shutter including guide units, the mating connector including insertion parts, the insertion parts and the guide units cooperating to rotate said at least one shutter in order to open said at least one shutter so that the mating connector is capable of being fitted with the shuttered connector.
2. A shuttered connector according to Claim 1, wherein the shutter comprising one shutter plate that opens in the direction orthogonal to the fitting direction of the mating connector.
3. A shuttered connector according to Claim 1, wherein said shutter has a two-plates structure having two shutter plates, the shutter plates moving upward and downward, respectively to open and butting the ends of the shutter plates together to close.
4. A shuttered connector according to Claim 1, wherein the insertion parts protrude from the front ends of both sides of the mating connector.
5. A shuttered connector according to Claim 1, wherein said shutter further includes arms at both sides of said shutter, the arms reaching the insulator, one end of each of the arms being rotatably supported by the insulator.
6. A shuttered connector according to any one of Claims 2 to 5, wherein the front portion of each of the insertion parts of the mating connector has a slanted surface.

7. A shuttered connector according to Claim 1, wherein the fitting part of the shuttered connector is part of shells arranged at least at upper and lower surfaces of the insulator so as to cover ends of the insulator, the mating connector being sandwiched between the shells in the vertical direction.

8. A shuttered connector according to Claim 7, wherein the shells are joined to a substrate.

9. A shuttered connector according to Claim 1, further comprising socket contacts located in positions corresponding to the mating contacts for making contact with the mating connector, wherein the mating connector further comprising a plurality of mating contacts located in positions different from the insertion parts and aligned in the width direction.

10. A shuttered connector according to Claim 1, wherein the mating connector is mounted on a substrate.

11. A shuttered connector according to Claim 1, wherein the elastic members are made of springs.